



ELECTRICAL CURRENTS

Newsletter from the Office of the Chief Electrical Inspector

Ron Fuller, Chief Electrical Inspector

Vol. 7 No. 4

April 2004

● **CORRECTION! Public Hearings For Proposed Changes To The Electrical WAC Rules**

Due to scheduling problems, the hearing dates and locations have been changed to:

May 11, 2004—11:00 AM

May 12, 2004—2:00 PM

Labor and Industries, Room Spok 4
901 N Monroe, **Spokane** 509-324-2640

Labor and Industries Building, Rm S117
7273 Linderson Wy, **Tumwater** 360-902-6105

We Must Receive Written, E-Mailed, Or Faxed Comments No Later Than May 12, 2004

Mailing Address: Chief Electrical Inspector
Department of Labor and Industries
PO Box 44460, Olympia, WA 98504-4460

FAX Number:
(10 page limit by FAX) 360-902-5292

E-mail: COPC235@lni.wa.gov

Copies of the proposed rules will be available at the public hearings. The proposal is available online at: <http://www.lni.wa.gov/TradesLicensing/Electrical/whatsnew> under the 2003-2004 Electrical Rule (WAC) Development link.

● **CORRECTION! Continuing Education Class and Instructor Approval**

First aid classes will continue to be acceptable as industry related continuing education classes. Instructors who have an administrator, master electrician, or electrician certification will meet the minimum qualifications to be an instructor. Instructors who have Red Cross or similar instructor certification will be acceptable as instructors for first aid classes.

● **Requirements For Contractor Installing Service Laterals For Developers Or Utilities**

RCW 19.28.091(1) provides for exemption from the permitting, inspection, licensing, and certification requirements for service lateral installations only if the entity doing the work is employed by the electrical utility. The firm/contractor and utility must have a contract in place (not implied) prior to performing the installation of the underground conduit or conductors. Firms doing this type of work for developers, property owners, or general contractors must be properly licensed electrical contractors; and the contractor must have an electrical work permit and have the installation inspected before covering.

● **What Contractor Status Is Required To Set Electrical Vaults?**

Any vaults containing or intended to contain electrical wiring are considered electrical equipment and must be: permitted and installed by a licensed electrical contractor. We consider vaults to be similar to installing a light pole or sign base or pole (i.e. the concrete and rebar). The historical policy addressing licensing and certification requirements is formally established in rule as part of the scope of work for the (04) sign specialty electrical contractor and electrician in WAC 296-46B-920(2)(d)(i).

We allow a general contractor to prepare, form, and pour the base (i.e. concrete and rebar only) or set sign poles or vaults using a crane with the general contractor's employees, so long as the general contractor is a subcontractor of the electrical contractor and the electrical contractor provides immediate supervision by a journeyman or appropriate specialty electrician. This precedent also applies to the excavation, construction, or placement of large concrete vaults used for electrical and telecommunications installations that come under the jurisdiction of chapter 19.28 RCW.

● **Electricians Fined For Willful Violations Of Installation Standards**

Cutting off ground rods is a bad and potentially costly idea! Two cases for cutting off ground rods were presented to the Electrical Board in January. The board was very clear in its statement to the appellants that installers, administrators, and firms that engage in or encourage willful safety violations will receive

substantial monetary penalties and may be suspended. In these instances, the electricians were fined \$1000 each and placed on four-year probation. Any similar serious installation violations during the probationary period will result in immediate two-year suspensions. The appellants avoided immediate suspensions by admitting guilt and apologizing for their lack of judgment.

The Chief Electrical Inspector's office is receiving at least one referral each month for citation action for willful violations from L&I and city jurisdiction inspectors. In rocky areas, proper installation of made electrodes can be difficult and frustrating. However, frustration that leads to hasty and dangerous decisions like cutting off grounds rods will not be tolerated in the electrical trade. The board and the department take compliance with electrical rules seriously and will vigorously penalize individuals and/or firms who make decisions violating the minimum code standards protecting life-safety.

● Coming Rule Changes Concerning The Use Of Type NM Cable

Proposed changes in the Washington Administrative Code, WAC 296-46B-334, expand the use of Type NM cable. The proposal will allow Type NM cable in all single-family dwellings and other structures of Types III, IV, and V construction except as prohibited in NEC 334.12. In "other than single-family dwellings," all cable(s) must be concealed within walls, floors, or ceilings that provide a thermal barrier of material that has at least a 15-minute finish rating as identified in listings of fire-rated assemblies.

The building official will determine the classification for "other than single-family dwellings." In general, Type III and IV may be a maximum of five stories and Type V may be a maximum of three stories as defined in the International Building Code adopted in the State of Washington. The installer will be required to provide the inspector documentation substantiating the type of building construction and finish material rating(s) prior to any electrical inspection.

● L&I Provides Information At Home And Garden Shows

Stop by the L&I information booth at your local Home & Garden shows. The department has dedicated staff and resources to address unlicensed contractors operating in the underground economy. Electrical inspection staff members are often working in the booths with other Specialty Compliance Services staff answering contractor and consumer questions at home shows around the state.

Staffing an information booth provides great customer outreach/education opportunities with thousands of people walking by during the course of an event. The electrical and SCS staff members are there to explain the benefits of hiring legitimate contractors and certified electricians/plumbers, answer minor code and installation questions, and assist those people desiring to file unlicensed contractor complaints.

The March 2004 Wenatchee Home & Garden show attracted 770 people to the L&I booth. In the near future, L&I will be at the following shows:

Clark County Home & Garden Show	April 23 – 25
Spokane Home Remodeler Show	April 30 – May 2
Lower Columbia College Home Show	May 22 – 23

● Plan Review—Load Calculations For Personal Computers

Should a PC's nameplate ratings be used to calculate loads? The department has looked into this question, has done extensive load checks on PC's, and found that the nameplate loads are typically much higher than the actual loads this equipment draws. The load for a typical PC (CPU and monitor) will fit in the 180 volt-amperes allowance computed per NEC 220.3(B)(11). It is not necessary to classify computer loads as "specific appliances or loads" per NEC 220.3(B)(1).

Because most PCs operate as a continuous load, the department will not allow PC receptacles to be calculated as general-use receptacles per NEC 220.3(B)(9) and will not allow the additional demands factors in NEC 220.13. Designers should note that loads for other PC peripherals (e.g. laser printers and copiers) should be classified as "specific appliances or loads" per NEC 220.3(B)(1) and evaluated at their

nameplate loads. Keep in mind that computers are nonlinear loads and potentially higher neutral loading should be considered in the design of multi-wire branch circuits serving this equipment.

● Electrical Question of the Month

This Month's Question: A(n) _____ branch circuit must supply central heating equipment, other than fixed electrical space heating equipment. **A)** Multi-wire, **B)** Individual, **C)** Multi-purpose, **D)** Small Appliance

Last Month's Question: Appliance branch circuit conductors must be provided with overcurrent protection in accordance with their ampacity as specified in NEC 240.4. The rating of an individual branch-circuit overcurrent device shall not exceed the protective device rating marked on the appliance. The answer is: **A)** True [NEC 422.11(A)].

● Quarterly Compliance Report

This report lists the final judgments for: no electrical contractor's license, hiring uncertified electricians, no electrician certification, and failure to obtain necessary electrical work permits. The report is also posted on the Electrical Program website. The following firms and persons received a final judgment during the 1st quarter of 2004. A final judgment means that all rights of appeal have been exhausted and a penalty is due or has been paid.

Final Judgments of Electrical Laws for the 1st Quarter of 2004

<i>Violator</i>	<i>Penalty Amount</i>	<i># of Citations</i>
<u>Violation – No Electrical Contractor's License</u>		
Region 1 – NW Washington		
AFFORDABLE HEATING & COOLING, HAPPY HOLLOW RD, STANWOOD, WA	\$ 1,000	2
AWNING SOLUTIONS, INC., GRAVELLY LK DR SW, LAKEWOOD, WA	\$ 500	1
BOTROS, TALAT M, 37TH AVE SOUTH, TUKWILA, WA	\$ 500	1
BURNS, DAVID, PO BOX, BELLINGHAM, WA	\$ 500	1
COMMERCIAL SECURITY SYSTEMS, PO BOX, MOUNT VERNON, WA	\$ 500	1
DELTA PACIFIC CONST CORP, PO BOX, WOODINVILLE, WA	\$ 500	1
E S E CONSTRUCTION, F&S GRADE RD, SEDRO WOOLLEY, WA	\$ 500	1
GEHRING, NATHAN, ROY RD, BELLINGHAM, WA	\$ 500	1
HOFBAUER, WAYNE, GUIDE MERIDIAN, BELLINGHAM, WA	\$ 500	1
MURR, DALE, CLARK ST, BLAINE, WA	\$ 500	1
ROSAS, MANUEL, E SMITH RD, BELLINGHAM, WA	\$ 500	1
RUUD, RANDALL R, SAMISH ISLAND RD, BOW, WA	\$ 500	1
SKRIPCHENKO, ALEX, 129TH AVE NE, LAKE STEVENS, WA	\$ 500	1
SUN SPACES, 132ND AVE NE, BELLEVUE, WA	\$ 1,000	1
WILLING, KENT F, 196TH SW, LYNNWOOD, WA	\$ 500	1
Region 2 – King County		
BEATTIE, JEFFREY S, 1ST AVE S, SEATTLE, WA	\$ 500	1
BIZZELL, STEVEN W, 37TH AVE SW, FEDERAL WAY, WA	\$ 500	1
BURDICK'S SCRTY HRDWR SVC INC, RAINIER AVE S, SEATTLE, WA	\$ 500	1
C J H CONSTRUCTION UNLIMITED, CRESCENT CIRCLE SW, LAKEWOOD, WA	\$ 500	1
COSTELLO, JOEY G, AVONDALE RD NE, WOODINVILLE, WA	\$ 500	1
FRONTIER CONSTRUCTION INC, PO BOX, COVINGTON, WA	\$ 500	1
GANNON, KORY K, WILLIAMS AVE SO, RENTON, WA	\$ 500	1
GHEZZI, TIMOTHY A, 11 AVE NE, SEATTLE, WA	\$ 2,000	2
MALIK, DAVID, S 237TH PL, KENT, WA	\$ 500	1
NEWCENLITE PACIFIC INC, PACIFIC HWY S, FEDERAL WAY, WA	\$ 4,000	1
SADRE NASSIRI, AMIR REZA, N LAKE SAMMAMISH PKWY, REDMOND, WA	\$ 500	1
WEATHERS, NATHAN, SR 410 E, BUCKLEY, WA	\$ 500	1
WURL, RANDY L, 233RD AVE E, BUCKLEY, WA	\$ 500	1
Region 3 – Kitsap & Olympic Peninsulas		
BENNETT, PHILLIP, E VAN BUREN AVE, PORT ORCHARD, WA	\$ 500	1
BROTHERS SIGN, 104TH ST CT S, LAKEWOOD, WA	\$ 500	1
GEMSTONE BUILDERS LLC, PO BOX, GRAHAM, WA	\$ 500	1
GODINA CONSTRUCTION INC, PO BOX, SEATTLE, WA	\$ 500	1
HARBOR BUILDERS, CROMWELL DR NW, GIG HARBOR, WA	\$ 500	1
LEISURE WATERS INC, 170TH ST E, PUYALLUP, WA	\$ 500	1
NEWCENLITE PACIFIC INC, PACIFIC HWY S, FEDERAL WAY, WA	\$ 3,000	1
PHELAN, JAMES J, PO BOX, FORD, WA	\$ 500	1
REVIVAL DESIGN SEVICE, 40TH AVE E, TACOMA, WA	\$ 6,000	1

ELECTRICAL CURRENTS

April 2004

SURFACE WORKS, PO BOX, SUMNER, WA	\$ 500	1
TURNER, TERRENCE N, S 316TH PL, FEDERAL WAY, WA	\$ 1,000	1
Region 4 – SW Washington		
ACTION GROUP UTILITIES CO, A, 93RD AVE SW, OLYMPIA, WA	\$ 500	1
BRASWELL, DAVID, HIDDEN FOREST DR SE, LACEY, WA	\$ 500	1
EXTERIORS INC, SE 120 AVE, VANCOUVER, WA	\$ 500	1
HART, ED, MAIN ST, WISHRAM, WA	\$ 500	1
MOBILITY CONCEPTS INC, MILWAUKEE WAY, TACOMA, WA	\$ 500	1
MUNTER CORP, 30TH ST NE, AUBURN, WA	\$ 500	1
NOVOTNY, STEVE, PO BOX, PE ELL, WA	\$ 1,000	2
PACIFIC AIR INC, MARTIN WY, OLYMPIA, WA	\$ 500	1
POP SIGN, SW 187TH AVE, BEAVERTON, OR	\$ 500	1
ROBISON CONSTRUCTION INC, PO BOX, SUMNER, WA	\$ 500	1
TACOMA TENT & AWNING CO INC, NORTH G ST, TACOMA, WA	\$ 500	1
Region 5 – Central Washington		
NAVARRO, ROBERT, E TOPPENISH AVE, TOPPENISH, WA	\$ 500	1
WRIGHT, LEO A, TIBBLING RD, SELAH, WA	\$ 500	1
Region 6 – Eastern Washington		
BRITTON, JOHN, AZTEC LANE, CHENEY, WA	\$ 500	1
CONCRETE KING, N FOREST CT, SPOKANE, WA	\$ 500	1
DETZ, RONALD A, HWY 291, NINE MILE FALLS, WA	\$ 500	1
HIGH MARK COMMUNICATIONS LLC, PO BOX, DEER PARK, WA	\$ 500	1
TYKO MECHANICAL LLC, N WARREN, HAYDEN, ID	\$ 1,500	1
Central Office		
DYNAMIC LAUNDRY SYSTEMS INC, NE 124TH ST, KIRKLAND, WA	\$ 500	1
GENESEE FUEL & HEATING CO, INC, S GENESEE ST, SEATTLE, WA	\$ 1,500	3
LUCORE, WILLIAM D, WAGNER RD, KELSO, WA	\$ 500	1
MALONE'S LANDSCAPE CONTR INC, 148TH AVE SE, KENT, WA	\$ 1,500	3
NORTHWEST CONTROL COMPANY, PO BOX, CLACKAMAS, OR	\$ 500	1
WHITE, BRYCE L, PO BOX, STARTUP, WA	\$ 1,000	1
Violation – Hiring Uncertified Electrician		
Region 1 – NW Washington		
L & L ELECTRIC INC, CHENNAULT BEACH RD, MUKILTEO, WA	\$ 500	1
Region 2 – King County		
ANDERSON ELECTRIC CONTROLS INC, S 212TH ST, KENT, WA	\$ 100	1
LEA, AURORA AVE N, SEATTLE, WA	\$ 500	1
NEWCENLITE PACIFIC INC, PACIFIC HWY S, FEDERAL WAY, WA	\$ 1,000	2
Region 4 – SW Washington		
AMP ELECTRIC, NE FOURTH PLAIN RD U, VANCOUVER, WA	\$ 350	1
QUADRANT SECURITY INC, PO BOX, PORTLAND, OR	\$ 600	1
S M E CORP, A STREET, TACOMA, WA	\$ 500	1
Central Office		
BOLEY ELECTRIC INC, BIRCHWAY, LYNNWOOD, WA	\$ 100	1
BROTHERS ELECTRIC, E 29TH, SPOKANE, WA	\$ 200	2
CAPITAL DEVELOPMENT CO, PO BOX, LACEY, WA	\$ 100	1
PARAGON INTERNATIONAL LLC, 20TH AVE NW, SEATTLE, WA	\$ 300	3
SEMPER FI ELECTRIC INC, PO BOX, EVERSON, WA	\$ 100	1
TOTAL ENERGY MANAGEMENT INC, BUTLER LOOP RD, RICHLAND, WA	\$ 100	1
Violation – Uncertified Electrician		
Region 1 – NW Washington		
BAGLEY, DAVID M, S MUTINY BAY RD, FREELAND, WA	\$ 100	1
BURNS, DAVID, PO BOX, BELLINGHAM, WA	\$ 250	1
GEHRING, NATHAN, ROY RD, BELLINGHAM, WA	\$ 250	1
HUTCHENS, STEWART L, 19TH, EVERETT, WA	\$ 250	1
MERRITT, THOMAS EDWARD, 103RD LANE NE, KIRKLAND, WA	\$ 250	1
MURR, DALE, CLARK ST, BLAINE, WA	\$ 250	1
NAWFEL, JOSH, 112TH ST SW, EVERETT, WA	\$ 250	1
NUNEZ, BENJAMIN RYAN, WETMORE AVE, EVERETT, WA	\$ 100	1
PETERSON, DENNIS, PO BOX, WOODINVILLE, WA	\$ 250	1
ROSAS, MANUEL, E SMITH RD, BELLINGHAM, WA	\$ 250	1
SIMONSON, JAREME, 84TH ST SW, MUKILTEO, WA	\$ 250	1
TOMKINS, HOWARD NATHAN, 182ND AVE SE, MONROE, WA	\$ 250	1
WATER, DAN, PO BOX, WOODINVILLE, WA	\$ 250	1
WILLIAMS, WALLACE RAY, 186TH PLACE SW, LYNNWOOD, WA	\$ 350	2
Region 2 – King County		
BOOKOUT, TONY D, 37TH ST SE, AUBURN, WA	\$ 250	1
CHRISMAN, ANDREW L, N 193RD ST, SHORELINE, WA	\$ 250	1
DAVIDSON, RICHARD, THUJA AVE, YELM, WA	\$ 250	1
GHEZZI, TIMOTHY A, 11 AVE NE, SEATTLE, WA	\$ 250	1
GOMEX, JUAN JOSE, 15TH AVE NE, SEATTLE, WA	\$ 250	1
GRINNELL, THOMAS, 47TH DR NE, MARYSVILLE, WA	\$ 500	1
HARRISON, CHRISTOPHER W, RENTON AVE S, SEATTLE, WA	\$ 250	1
HARTSON, PATRICK J, 150TH SW, LAKEWOOD, WA	\$ 250	1
HOLMES, LLOYD, SE 291ST, AUBURN, WA	\$ 100	1
LEBLANC, JOSEPH DONALD, 189TH AVE CT E, SUMNER, WA	\$ 250	1

ELECTRICAL CURRENTS**April 2004**

ROSENLUND, JOHN M, 420TH AVE SE, NORTH BEND, WA	\$ 250	1
WEBB, BRUCE, HI CREST DR, AUBURN, WA	\$ 100	1
WILLIAM, ALLAN, 27TH ST SE, AUBURN, WA	\$ 250	1
WILLIAMS, JEFFREY T, 1ST AVE SW, BURIEN, WA	\$ 250	1
Region 3 – Kitsap & Olympic Peninsulas		
AMIOTTE, BRIAN, 58TH ST CT E, PUYALLUP, WA	\$ 250	1
BOWEN, PAT, S 11TH ST, TACOMA, WA	\$ 250	1
BRUNTZEL, GREG E, TIMBERTRAIL RD E, PORT ORCHARD, WA	\$ 250	1
COURTS, LENNY ALANE, FOREST RIM CT N, PUYALLUP, WA	\$ 250	1
COURTS, LON RUSSELL, FOREST RIM CT N, PUYALLUP, WA	\$ 250	1
COURTS, THOMAS L, FOREST RIM CT N, PUYALLUP, WA	\$ 250	1
HAZEN, PAUL A, ALLEN RD, ONALASKA, WA	\$ 250	1
SELBY, ROBERT R, 93RD ST E, TACOMA, WA	\$ 250	1
VANAUSDLE, RANDALL E, CARNE, PORT ANGELES, WA	\$ 250	1
WHEELER, ROB A, 170TH ST E, PUYALLUP, WA	\$ 250	1
WILCOX, GUY RICHARD, OYLER RD, WINLOCK, WA	\$ 250	1
ZIGLER, DAVID, 142ND AVE E, PUYALLUP, WA	\$ 250	1
Region 4 – SW Washington		
ATAMANYUK, VASILYI, SE BUSH ST, PORTLAND, OR	\$ 250	1
BUNTIN, MATT D, WILDCAT ST SE, OLYMPIA, WA	\$ 250	1
BURNS, EON, ST HELENS AVE, VANCOUVER, WA	\$ 250	1
FOLEY, MICHAEL, NE 122ND AVE, BATTLE GROUND, WA	\$ 250	1
GUILLEN, DENNIS W, P O BOX, VANCOUVER, WA	\$ 250	1
HART, ED, MAIN ST, WISHRAM, WA	\$ 250	1
KIM, HARRY J, SW 187TH AVE, BEAVERTON, OR	\$ 250	1
MCNEIL, DAN, BAYVIEW DR, SHELTON, WA	\$ 250	1
MOUTARDIER SCOTT E, NE 54TH AVE, VANCOUVER, WA	\$ 250	1
NOVOTNY, STEVE, PO BOX, PE ELL, WA	\$ 250	1
NUTTLE, GEORGE T, NE 31ST AVE, RIDGEFIELD, WA	\$ 250	1
SANNES, SEAN A, NE 89TH AVE, VANCOUVER, WA	\$ 750	2
SPOLNICK, EDWARD D, 81ST AVE E, PUYALLUP, WA	\$ 250	1
TRAILOR, KENNETH A, S 43RD ST, TACOMA, WA	\$ 250	1
Region 5 – Central Washington		
GROOM, ROBERT G JR, W NORA, SPOKANE, WA	\$ 500	1
Region 6 – Eastern Washington		
EISEMAN, JIM, BLANCHARD RD, ELK, WA	\$ 250	1
HARMS, JAMES P, E EUCLID AVE, OTIS ORCHARDS, WA	\$ 100	1
MARX, DENNIS R, N FOREST CT, SPOKANE, WA	\$ 250	1
SMITH, ZANE, E OLIVE AVE, SPOKANE, WA	\$ 250	1
WORLEY, CHARLES P, FERTILE VALLEY RD, NEWPORT, WA	\$ 250	1
WORLEY, TIM, W LONG LAKE RD, FORD, WA	\$ 250	1
Central Office		
ADAMEK, SEAN R, S ANDERSON PL, KENNEWICK, WA	\$ 100	1
ATON, KELLY ROSS, PO BOX, ROCHESTER, WA	\$ 100	1
BROWN, MICHAEL J, BEACH DR SW, SEATTLE, WA	\$ 200	2
DO, TRI, 9TH AVE SW, SEATTLE, WA	\$ 300	3
EVANS, MICHAEL JOHN, SE 196TH, RENTON, WA	\$ 350	2
GIBBONEY, CARRIE ANN, GUIDE MERIDIAN, BELLINGHAM, WA	\$ 100	1
MCDANOLD, WARREN, 89TH PL NE, MARYSVILLE, WA	\$ 250	1
MITCHELL, ZACH, 328TH PLACE SE, FALL CITY, WA	\$ 250	1
MOE, CHRISTOPHER TODD, PO BOX, ORTING, WA	\$ 200	2
PEREZ, CHRISTOPHER, S 6TH, PASCO, WA	\$ 300	3
RENEAU, THOMAS W, 186TH ST NE, ARLINGTON, WA	\$ 400	4
SABUTIS, GERALD D, 149TH AVE E, GRAHAM, WA	\$ 100	1
WARD, ROB A, GREENWAY AVE, LONGVIEW, WA	\$ 250	1
Violation – No Electrical Permit		
Region 1 – NW Washington		
A L C ELECTRIC CORPORATION, N 193RD ST, SHORELINE, WA	\$ 250	1
ANM ELECTRIC INC, 172ND AVE NE, REDMOND, WA	\$ 250	1
BOB'S HEATING & A/C INC, NE 126TH PL, KIRKLAND, WA	\$ 250	1
CHAPMAN, KIM, LUNDEEN PKY, LAKE STEVENS, WA	\$ 50	1
DAD'Z ELECTRICAL SRVC & REPAIR, 19TH PL W, EVERETT, WA	\$ 250	1
DUNCAN ELECTRIC INC, JIM CREEK RD, ARLINGTON, WA	\$ 250	1
EDWARDS, KIRK L, 152ND PL SE, MILL CREEK, WA	\$ 50	1
FILIPPOV, RUSLAN, CALLOW ROAD, LAKE STEVENS, WA	\$ 250	1
FUNSTON, DARREL, SHELBY RD, LYNNWOOD, WA	\$ 50	1
HOLMES, STEVE, BEACH AVE, MARYSVILLE, WA	\$ 50	1
JONES LIGHTING MAINTENANCE INC, 90TH AVE NE, KENMORE, WA	\$ 250	1
KEITHLY ELECTRIC CO, SOUTH DIRECTOR, SEATTLE, WA	\$ 1,000	1
MENDOZA, COREY, 325TH PL NW, STANWOOD, WA	\$ 50	1
MOLZAHN, LARRY, WALNUT, EDMONDS, WA	\$ 50	1
SMITH, REUBEN, HWY 9 SE, WOODINVILLE, WA	\$ 50	1
SMOKEY ELECTRIC, PO BOX, ARLINGTON, WA	\$ 250	1
SWANSON, TERRY, TOMA LANE, CLINTON, WA	\$ 50	1
Region 2 – King County		
A & D HEAT-VENT-A/C, CALISTOGA ST E, ORTING, WA	\$ 250	1

ELECTRICAL CURRENTS

April 2004

A L C ELECTRIC CORPORATION, N 193RD ST, SHORELINE, WA	\$ 250	1
ACCO ENGINEERED SYSTEMS, N CENTRAL AVE, KENT, WA	\$ 250	1
AIRE PRO INC, S 344TH ST, FEDERAL WAY, WA	\$ 1,000	1
AMERICAN BUILDING SUPPLY INC, 42ND ST NE, AUBURN, WA	\$ 250	1
ANDERSON ELECTRIC CONTROLS INC, S 212TH ST, KENT, WA	\$ 250	1
BURDICK'S SCRTY HRDWR SVC INC, RAINIER AVE S, SEATTLE, WA	\$ 250	1
CEDAR RIVER ELECTRIC, SE 245TH ST, MAPLE VALLEY, WA	\$ 500	1
COMFORT MECHANICAL INC, S 220TH ST, KENT, WA	\$ 250	1
DEVOS, ART, 160TH SE, AUBURN, WA	\$ 50	1
DIAMOND BAY ELECTRIC INC, PO BOX, MAPLE VALLEY, WA	\$ 250	1
DIGITECH HOME SYSTEMS LLC, 124TH AVE NE, BELLEVUE, WA	\$ 250	1
DIRECT TELECOMMUNICATIONS LLC, INDUSTRY DR, SEATTLE, WA	\$ 250	1
EASTON REFRIGERATION LLC, PO BOX, RENTON, WA	\$ 250	1
ELECTROMATIC SALES & SRVC INC, 152ND AVE NE, REDMOND, WA	\$ 250	1
GOODE, MIKE, PORTER ST, ENUMCLAW, WA	\$ 250	1
H P PROPERTIES LLC, SE 28TH ST, MERCER ISLAND, WA	\$ 250	1
HOBBS, GARY L, 3RD ST E, SUMNER, WA	\$ 50	1
HODSON HODSON & HODSON, INC, WEST STEWART AVE, PUYALLUP, WA	\$ 250	1
INTEGRITY ELECTRIC INC, KENNEDY RD NE, TACOMA, WA	\$ 250	1
KAHSSAI, YONATHAN, SOUTH SUNNY CREST RD, SEATTLE, WA	\$ 50	1
KOVAL, VLADIMIR, 104TH ST E, BONNEY LAKE, WA	\$ 50	1
LINDER ELECTRIC INC, 180TH NE, REDMOND, WA	\$ 250	1
MUSTAFA, MUJUDEA, 164TH ST, TUKWILA, WA	\$ 50	1
NEWCELITE PACIFIC INC, PACIFIC HWY S, FEDERAL WAY, WA	\$ 250	1
NORTHWEST ELECTRIC, S 279TH ST, AUBURN, WA	\$ 250	1
NORTHWESTERN ELECT SERVICES CO, 144TH ST E, PUYALLUP, WA	\$ 250	1
OMEGA ELECTRIC, KOEPPEN RD, RAINIER, WA	\$ 250	1
PACIFIC NORTHWEST SIGN CO, SE 27 PL, BELLEVUE, WA	\$ 1,000	1
PARKER ELECTRIC, SW SPOKANE ST, SEATTLE, WA	\$ 250	1
POWER DESIGNS INC, 169TH ST S, SPANAWAY, WA	\$ 250	1
PUYALLUP HEATING & A/C, 15TH ST SE, PUYALLUP, WA	\$ 250	1
RIMROCK ELECTRICAL SERVICE LLC, 189TH AVE SE, COVINGTON, WA	\$ 250	1
SEATTLE SHEET METAL & HEATING, 16TH AVE SW, SEATTLE, WA	\$ 250	1
SECURITAS SECURITY SYS USA INC, AVALON RIDGE PKWY, NORCROSS, GA	\$ 250	1
T I NORTHWEST CORP, 23RD ST SE, PUYALLUP, WA	\$ 250	1
TALL'S ELECTRIC INC, 249TH AVE SE, ENUMCLAW, WA	\$ 250	1
WATSON SECURITY, RAINIER AVE S, RENTON, WA	\$ 250	1
WESTERN TELCOM, 38TH AVE S, AUBURN, WA	\$ 250	1
WILKERSON COMMUNICATIONS INC, 112TH ST E, PUYALLUP, WA	\$ 250	1
Region 3 – Kitsap & Olympic Peninsulas		
DAY WIRELESS SYSTEMS, PO BOX, MILWAUKIE, OR	\$ 250	1
ELECTRIC WORKS, THE, PO BOX, GRAHAM, WA	\$ 250	1
INDUSTRIAL COMM ELECTRIC INC, S 134TH PL, TUKWILA, WA	\$ 250	1
LUCKY ELECTRIC, 136TH ST CT E, TACOMA, WA	\$ 250	1
ROBBLEE'S TOTAL SECURITY INC, TACOMA AVE S, TACOMA, WA	\$ 250	1
Region 4 – SW Washington		
AMP ELECTRIC, NE FOURTH PLAIN RD, VANCOUVER, WA	\$ 250	1
CHAMP, KENNETH, BURCHETT RD, ONALASKA, WA	\$ 250	1
JACK DAVIS PREMIER SHOWS, PO BOX, WILSONVILLE, OR	\$ 250	1
ONALASKA ELECTRIC, PO BOX, ONALASKA, WA	\$ 2,000	2
UNIQUE DESIGNS INC, NE 100TH ST, VANCOUVER, WA	\$ 250	1
Region 5 – Central Washington		
PERRY TECHNICAL INSTITUTE, W WASHINGTON, YAKIMA, WA	\$ 250	1
PRO SIGN INC, E KNOX, SPOKANE, WA	\$ 250	1
YAKIMA COUNTY, N FIRST ST, YAKIMA, WA	\$ 250	1
Region 6 – Eastern Washington		
CONCRETE KING, N FOREST CT, SPOKANE, WA	\$ 250	1
KASTAWAY ELECTRIC, DEETER RD, NEWPORT, WA	\$ 250	1
SHERIDAN ELECTRIC INC, W TEAL AVE, SPOKANE, WA	\$ 250	1
TYKO MECHANICAL LLC, N WARREN, HAYDEN, ID	\$ 1,000	1
Central Office		
INDEPENDENT FOOD PROCESSORS CO, PO BOX, SUNNYSIDE, WA	\$ 3,500	7